



Amendment Number II to the 2015-2016 HCC Bulletin

The following Technical Programs have been changed:

**Drafting & Design Technology
(Grenada Center)**

First Year

First Semester

Graphic Comm.....ENT 1113
Tech GraphicsENT 1133
Prin/CAD.....ENT 1313
Inter/CAD.ENT 1323
Comp Methods.....ENT 1123
Total 15 hrs.

Second Semester

Architec Design I..ENT 1613
Civil DraftingENT 2153
Structural Drafting ENT 2233
Advanced CAD.....ENT 2343
Comp Numer Ctrl..ENT 2363
Total 15 hrs.

A Technical Certificate may be earned at this point

Second Year

First Semester

Special ProjectENT 2913
Geo Dim & Toler.....ENT 1143
English Comp I ENG 1113
Social/Behav Science.....3
MaterialsENT 1213
Total 15 hrs.

Second Semester

Basic Ind. Safety.....ENT 1154
Public Speaking I...SPT 1113
OR Eng Comp II ENG 1123
OR Social/Behav Elec.....3
Humanities/Fine Arts3
Architec History....ENT 2713
College Algebra ...MAT 1313
OR Natural Sci w/Lab ..4
Total 16/17 hrs.

An AAS Degree may be earned at this point

The **Drafting & Design Technology** program prepares individuals to enter the world of work assisting architects, engineers, contractors, and other related fields. Job opportunities in these fields are numerous.

Upon successful completion of this curriculum, the graduate will earn Technical Certificate or an Associate of Applied Science Degree (AAS) in Drafting & Design Technology. The curriculum may also have the option of transfer to a four-year university offering a related course of study thereby leading to a Bachelor of Science Degree (BS).

Business Management Technology.

BOT 2913 – Entrepreneurship has been added to the Second Year, Second Semester and the Total Hours are not 15/16.

EMS-Critical Care.

English Comp II, Speech, or Humanities has been changed to English Comp II, Speech, or Social/Behavioral Science

ENT-Architectural Engineering Technology.

ENT 1153/4 has been changed to ENT 1154 in the Approved Technical Electives

ENT-Construction Technology-Approved Technical Electives.

ENT 1153/4 has been changed to ENT 1154.

ENT 2923 has been replaced with ENT 2723.

ENT 2213 has been changed to ENT 2133.

Work Based Learning has been replaced with WBL 191(1-3) and WBL 192(1-3).

ENT-Industrial Engineering Management Technology.

ENT 1813 has been changed to ENT 1823 in the First Year, Second Semester.

ENT 1153 has been changed to ENT 1154 in the Second Year, First Semester.

ENT 1183 has been removed.

WBL 191(1-3) and WBL 192(1-3) has been added.

ENT 2633 has been changed to ENT 2613 in the Approved Technical Electives.

ENT-Industrial Technology

ENT 2243 has been removed from Approved Technical Electives.

ENT-Interior Design.

ENT 1153 has been changed to ENT 1154 in the Approved Technical Electives.

Industrial Maintenance Mechanics.

Two asterisks have been added before MAT 1313 in the Second year, First semester.

Maintenance Technology.

WBL(1-3) has been changed to WBL 191(1-3).

ENT 1153 has been changed to ENT 1154.

MST 1423 has been removed from the Approved Electives.

Physical Therapist Assistant.

Mary Jane Harris, CAPTE Director: 703-706-3240 and Doug Clarke, Lead PTA Program Specialist: 703-706-3241 has been removed.

703-684-2782 is the only phone number remaining.

Precision Machining Technology.

ENT 1153 has been changed to ENT 1154 in the Approved Electives.

The following Technical Courses have been added or changed:

ATT 291(1-3) - Special Problem I in Automotive Technology has been changed to ATT 291(1-6).

BOT 2913—Entrepreneurship (Prerequisite: BOT 1493).

This introductory course provides students with a solid foundation of the vital role played by entrepreneurs and entrepreneurship in the 21st century global economy. The focus will be on the stages of development of the new venture including research, planning, feasibility analysis, capitalization and management. Students will learn how to use resources to start and operate a small business. The course blends theory with practice where students are challenged to apply principles, concepts, and frameworks to real world situations and community projects. Two lectures. Two hours laboratory. Three hours credit.

EMS (Critical Care) – Course Requirements.

English Comp II, Speech, or Humanities has been changed to English Comp II, Speech or Social/Behavioral Science.

ENT 1154 — Basic Applications of Industrial Safety.

This course introduces the concepts of health and safety in engineering technology related fields. It aims to make the students safety-conscious in relation to personal safety, accident prevention, and methods of compliance. Four hours lectures. Four hours credit.

ENT 1163 — Introduction to Industrial Engineering.

This course is designed to give the student an introduction to and an overview of the profession, including career planning and communication, ethics, teamwork and selected solution methods for problems in coordination and planning. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 1173 — Fundamentals of Management.

This course addresses organizational management and the dynamic role managers play in the success of businesses. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 1713 — Fundamentals of Machine Processes.

This course is designed to give the student basic machining equipment and safety procedures. Emphasis is placed on measurement techniques, machine technology, machine tools, and applications. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 1814 — Basic Electricity & Electronics.

Study of fundamental industrial electrical and electronic principles with experimentation and project construction. Two lectures. Four hours laboratory. Four hours credit.

ENT 1833 — Manufacturing Processes.

This course is designed to give the student a study of modern manufacturing processes with an emphasis on flexible manufacturing and computer integrated manufacturing. Two hours lecture. Two hours lab. Three hours credit.

ENT 2273 - Facilities Planning Co/Prerequisite has been changed from ENT 1813 to ENT 1814.

ENT 2453—Energy Systems.

This course covers an overview of the past, present, and future of energy systems and the technologies they employ. Two hours lecture. Two hours laboratory. Three hours credit.

ENT 2633 - Programmable Logic Controllers has been changed to ENT 2613.

WLT 1155 - Pipe Welding has been changed to WLT 1154 with 1 lecture, 6 hours laboratory and 4 hours credit.

I certify the above amendment is true and correct in content and in policy.



Dr. Fran Cox, Vice President for Academic Programs

_____ June 15, 2015 _____